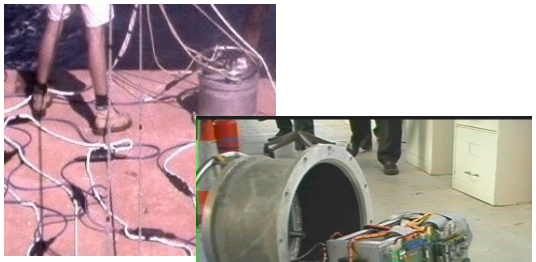
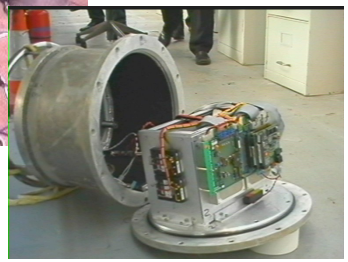
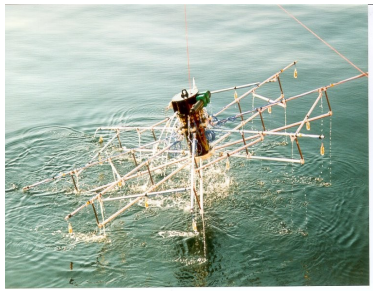
Rapidly Deployable Undersea Sensor Trials

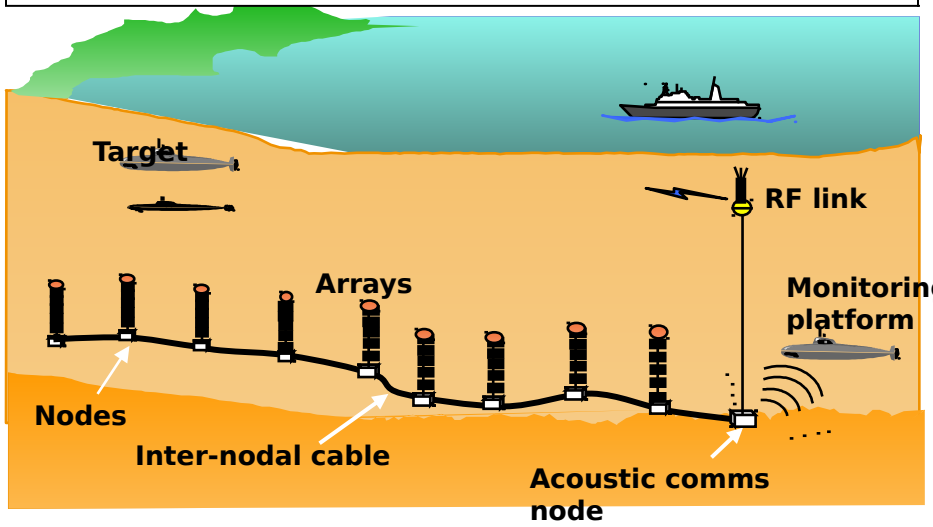
TTCP Maritime Systems Group / Sonar Technology Panel







RDS-1 AND RDS-2 SEA TRIALS
Eight experimental deployed systems used in shallow water environmental and acoustic detection trials off Halifax Nova Scotia (RDS-1) and Darwin, Australia (RDS-2).



Program: Rapidly Deployable Sensors

Objective: To investigate and demonstrate technologies for low cost rapidly deployable underwater acoustic sensor technologies for affordable undersea surveillance in challenging shallow water littoral areas of strategic interest.

Payoff: Participation provided a cost-effective comparative environment to evaluate alternative array configurations and technologies, signal processing algorithms, data telemetry, packaging and deployment methods as well as environmental acoustic and sensor performance modelling issues.

Participants:

DSTO	DREA	DOTSE	DERA	NRL
Salisbury	Halifax	Auckland	Winfrith	and SSC

Future Activities: Further Joint-Trials to demonstrate and characterise the performance of integrated RDS system concepts against representative targets.

http://www.dtic.mil/